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East Germany

Radio Development in Erfurt; 27 pp; German; date of documents 23 and 25 April 1951.

Annex 1 is a letter by the RFT Funkwerk Erfurt VEB dated 25 April 1951 to the Physics Division, Central Office of Research and Technology, State Planning Commission, Berlin, reporting on the more significant development projects engaged in by the Measuring Instrument/Department and the Transmitting Tube/Department.

The reports on the work of the Measuring Instrument Development Department (in the form of "Comparative Reports on Concluded Developments") bear the following titles: "Development of pH Meters for Low-Ohmic Measuring Networks", "Continued Development of Measuring Instruments for Telecommunications Engineering" (specifically the improvement of tube voltmeter 50 kv for HF, Type 115, and increase of the measuring range of Tube Voltmeter Type 116 from 50 v to 500 v), "Development of a Measuring Bridge with Built-in Four-Frequency Oscillator For the Measurement of the Non-linear Distortion Factor", "Development in the Field of Supersonics" (specifically, the development of a 1.5 kw industrial-type supersonic oscillator), "Development of an HF Test Oscillator for up to 30 mc"

The reports on the activities in the field of transmitter tube development include photographs and data sheets of the various tubes designed to be substitutes for such competitive makes as Telefunken and Siemens. Each individual report discusses the planned production, cost, uses, and export possibilities of the particular item. The title of the development project covering this work is "Further Development of the Manufacturing Techniques Pertaining to the Construction of Transmitter Tubes". It includes transmitter triodes and pentodes, largely for ultrashort wave use, with outputs ranging from 100 w to 10 kw.

Annex 2 is a memorandum by the RFT Central Laboratory for Receiver Tubes, dated 23 April 1951, subject "Development of the '170ies' Series of Miniature Tubes. Said memorandum outlines the accomplished development of a series of tubes for ultrashort wave engineering designed to replace the old '11' Series, and outlines the advantages of the former over the latter.

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Anstractor:

Date: 14 August 1952

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